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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/804,792	03/14/2001	Poramaste Jinupun		2022

7590 06/18/2002  
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UNITED KINGDOM

EXAMINER

NGUYEN, TRAN N

ART UNIT PAPER NUMBER

2834

DATE MAILED: 06/18/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/804,792

Applicant(s)

JINUPUN, PORAMASTE

Examiner

Tran N. Nguyen

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☐ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, *the salient poles of first assembly, wherein each pole subdivided into plural teeth, the windings wound one each or on alternate ones of respective teeth*, as in claim 1 lines 1-5 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered. Note: Fig. 11d-22 show stator with plural poles, not each pole has plural teeth (see attachment).

### *Claim Rejections - 35 USC § 112*

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

**Claims 1-23** are rejected under *35 U.S.C. 112, first paragraph*, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention because of the following:

In figures 2-4, a so-called salient pole is illustrated as one single section of pole having plural teeth. These figures label the so-called salient pole as stator pole (1b, 11b, 21b).

However, in figures 6a-b 7a-b, show one single section of pole having plural teeth but these figures label as stator poles, i.e. instead of one salient pole with teeth, figs. 6, 7, and 9 show a section of stator core with plural poles. The same illustration shown in each of figures 11-22, that is a stator core divided into plural sections wherein each of which has plural poles. It's unclear that the recited salient pole is a single pole portion radially extended from a

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circumferential side of the core, wherein the radially extended pole portion has plural teeth with windings wound there around or the or-called salient pole in fact a core portion that has a plurality of poles which radially extended from the core portion. Thus it raises questionable issues about the enablement of the claimed invention.

***The following is a quotation of the second paragraph of 35 U.S.C. 112:***

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

***Claims 1-23 rejected under 35 U.S.C. 112, second paragraph***, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, the following terms back antecedent basis:

line 3, the pole the first arrangement lines 11-16, the rotational direction, the portions the linking flux loops, the arrangement (unclear antecedent basis because there are first and second arrangements), the second assembly (note antecedent basis needs to be consistent; therefore, first and second magnetic circuit assembly should not interchanged with first and second arrangements).

In claim 2, the adjacent phase the present phase the respective end flux loops lack antecedent basis.

In claim 3, the plural phases lacks antecedent basis.

In claim 1, each wound tooth to generating left and right circular flux loop is indefinite because it's unclear how each single wound tooth generates both left and right flux loop. In light of spec., it's understood that each wound tooth generates one of left and right flux loop.

In claims 2-3, "type is indefinite type is understood as reluctance machine.

In claim 22, a light weight metal is indefinite because the recitation does not provide metes and bound, i.e., what kind of material, magnetic, non magnetic metal, non metal? Also, the term light is a relative term.

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The above are but a few specific examples of indefinite and functional or operational language used throughout this claim, and are only intended to illustrate the extensive revision required to overcome the rejection under 35 USC 112, second paragraph. The above-mentioned corrections therefore, are in no way a complete and thorough listing of every indefinite and functional or operational language used throughout this claim. Applicant is required to revise the entire claim completely, and not just correct the indefinite and functional or operational languages mentioned.

No rejection based on prior art is given at this point of prosecution. MPEP 2173.06 states:

*"...where there is a great deal of confusion and uncertainty as to the proper interpretation of the limitations of a claim, it would not be proper to reject such a claim on the basis of prior art. As stated in In re Steele , 305 F.2d 859, 134 USPQ 292 (CCPA 1962), a rejection under 35 U.S.C. 103 should not be based on considerable speculation about the meaning of terms employed in a claim or assumptions that must be made as to the scope of the claims."*

Given the great deal of confusion and uncertainty as to the proper interpretation of the limitations of claims, it would not be proper to reject claims 1-23 on the basis of prior art.

***Given the 35 USC 112 deficiencies set forth above, no rejection based on the prior art.***

#### ***Communication***

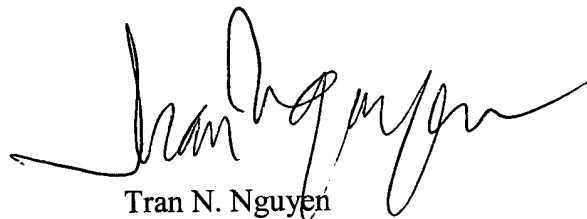
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tran N. Nguyen whose telephone number is (703) 308-1639. The examiner can normally be reached on M-F 7:00AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on (703)-308-1371. The fax phone numbers for the

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organization where this application or proceeding is assigned are (703)305-3431 for regular communications and (703)-305-3432 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-308-1782.

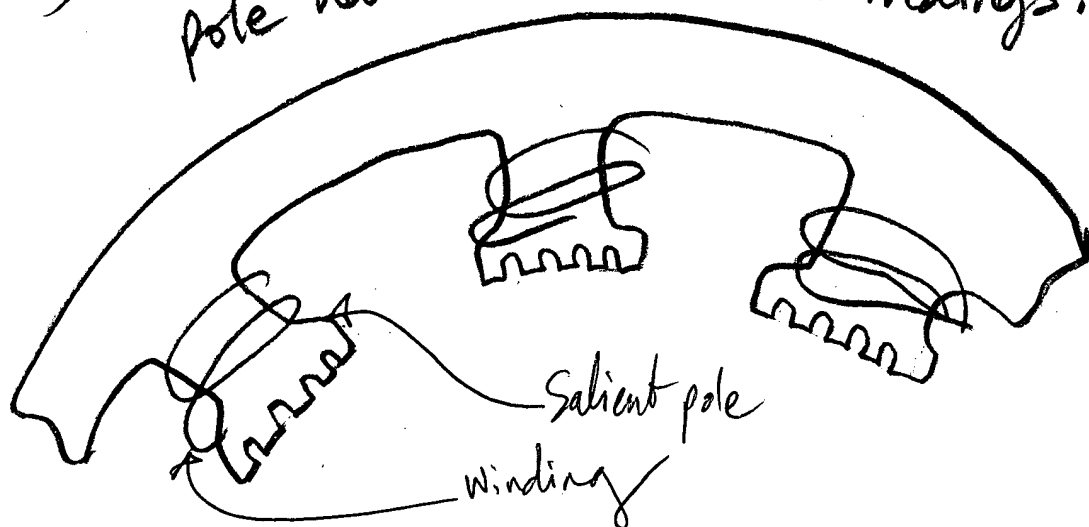
A handwritten signature in black ink, appearing to read 'Tran N. Nguyen', is written over the printed name.

Tran N. Nguyen

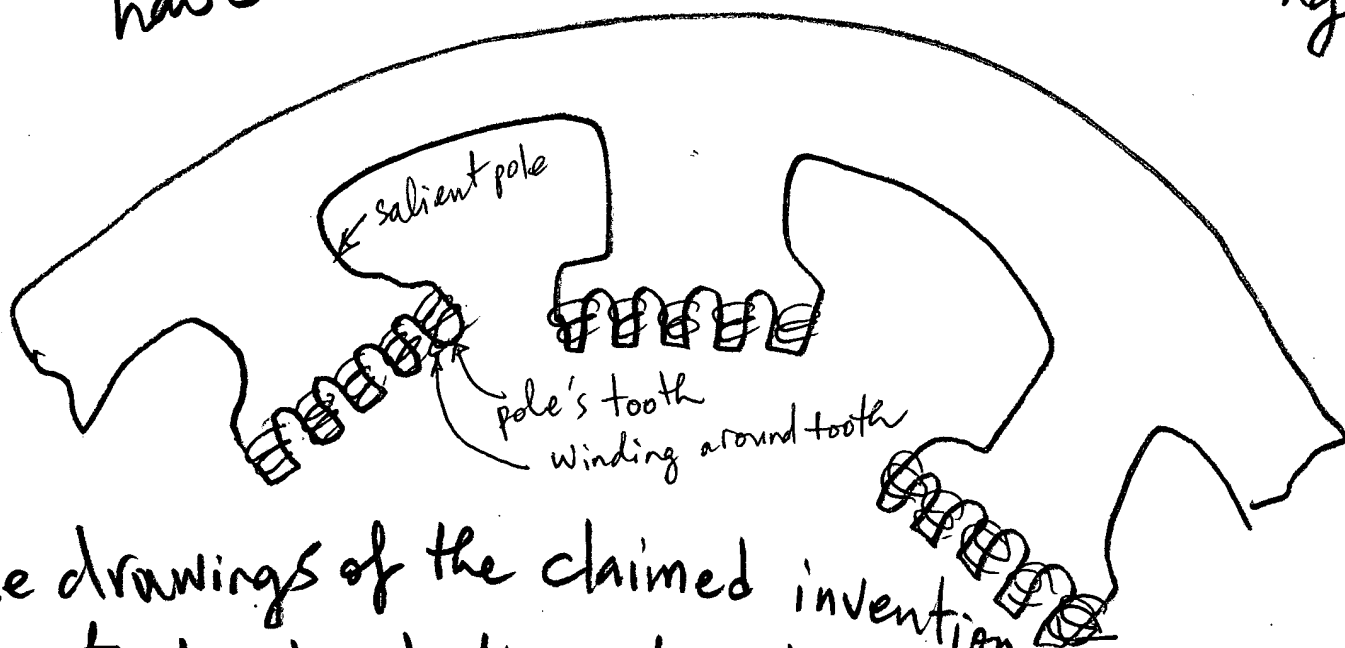
Primary Examiner

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(A) Core with Salient pole, each pole have teeth and windings.



(b) Core w/ salient pole, each pole have teeth, each tooth has winding.



The drawings of the claimed invention do not clearly distinguish whether the claimed invention is case (A) or (b).